



Performance Report for: <https://molecule.com/>

Report generated: Mon, Mar 4, 2024 7:19 AM -0800
 Test Server Location: Vancouver, Canada
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	78%	76%	2.3s	35ms	0

Top Issues

Med	Use explicit width and height on image elements <small>CLS</small>	9 images found
Med	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 392ms
Med	Avoid enormous network payloads <small>LCP</small>	Total size was 3.48MB
Med	Use a Content Delivery Network (CDN)	55 resources found
Med-Low	Properly size images	Potential savings of 1.17MB

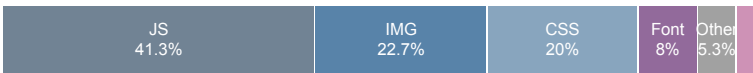
Page Details



Total Page Size - 3.45MB



Total Page Requests - 75



HTML JS CSS IMG Video Font Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix



GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

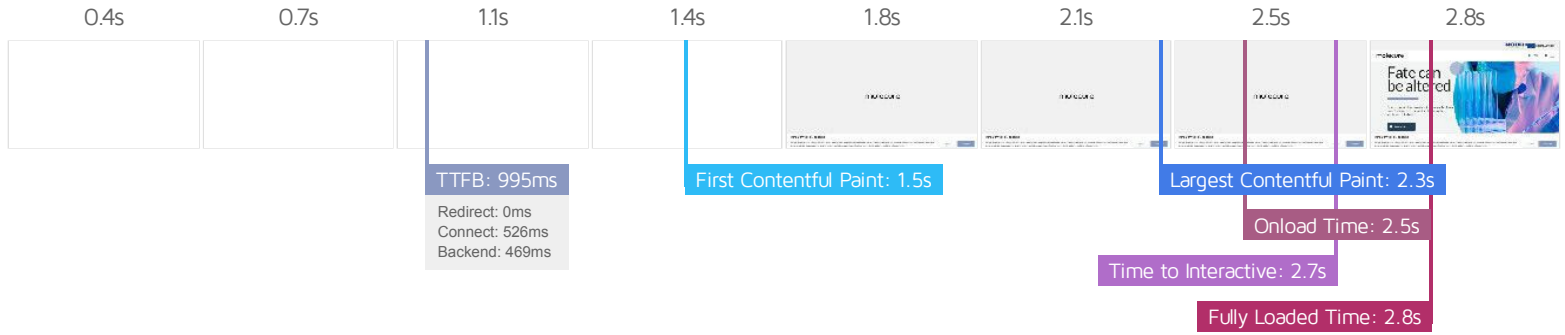
<https://carbon60.com/>

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Molecure



wp-emoji-release.min.js?...	200	molecule.com	4.51KB				1.1s			
woocommerce-smallscree...	200	molecule.com	1.04KB				1.1s			
S6uyw4BMUTPHjx4wXg...	200	fonts.gstatic.com	23.0KB			53ms				
Lato-Semibold.woff2	200	molecule.com	224KB				753ms			
S6u9w4BMUTPHh6UVSwi...	200	fonts.gstatic.com	22.5KB			56ms				
recaptcha__en.js	200	gstatic.com	195KB			48ms				
icon-wpml-info-white.svg	200	molecule.com	607B				544ms			
revisit.svg	200	molecule.com	2.28KB				532ms			
close.svg	200	molecule.com	1.31KB				532ms			
poweredbtcky.svg	200	molecule.com	3.67KB				533ms			
Lato-Medium.woff2	200	molecule.com	218KB					768ms		
POST ?wc-ajax=get_refre...	200	molecule.com	123B						747ms	
anchor?ar=1&k=6LeXPIQ...	200	google.com	28.0KB			72ms				
styles__ltr.css	200	gstatic.com	24.0KB				37ms			
recaptcha__en.js	200	gstatic.com	195KB				46ms			
9WFGRKJPCYDnPNtkHs...	200	google.com	6.79KB				9ms			
logo_48.png	200	gstatic.com	2.18KB				8ms			
KFOmCnqEu92Fr1Mu4mx...	200	fonts.gstatic.com	15.0KB				106ms			
KFOICnqEu92Fr1MmEU9f...	200	fonts.gstatic.com	15.2KB				120ms			
webworker.js?hl=en&v=vj...	200	google.com	135B				43ms			
xcropped-Molecaure-favi...	200	molecule.com	530B						177ms	
POST reload?k=6LeXPIQ...	200	google.com	9.30KB							57ms
75 Requests 3.45MB (5.89MB Uncompressed) Fully Loaded 2.8s (Onload 2.5s)										



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Longer than recommended</p> <p>1.5s</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>OK, but consider improvement</p> <p>2.7s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Much longer than recommended</p> <p>2.5s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>35ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Longer than recommended</p> <p>2.3s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	0ms	Connect	526ms	Backend	469ms
TTFB	995ms	First Paint	1.5s	DOM Int.	1.7s
DOM Loaded	1.7s	Onload	2.5s	Fully Loaded	2.8s

IMPACT AUDIT

Med-Low

Defer offscreen images

Potential savings of 1.02MB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://molecure.com/app/uploads/2022/06/Molecure-Vision.jpg	1.02MB	1.02MB
https://molecure.com/app/uploads/2022/05/logo-white.svg	2.36KB	2.36KB
https://molecure.com/app/plugins/cookie-law-info/lite/frontend/images/revisit.svg	2.28KB	2.28KB

Low

Efficiently encode images

Potential savings of 792KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://molecure.com/app/uploads/2022/06/Molecure-Vision.jpg	1.02MB	671KB
https://molecure.com/app/uploads/2022/06/Pipeline.jpg	381KB	83.8KB
https://molecure.com/app/uploads/2022/06/VISION-shutterstock_1698617047.jpg	147KB	37.3KB

Low

Reduce unused CSS FCP LCP

Potential savings of 77.7KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://molecure.com/wp/wp-includes/css/A.dashicons.min.css.gver=pagespeed.cf.DVmAQMtQdn.css	34.6KB	34.6KB
https://molecure.com/app/themes/molecure/css/A.main.css.gver=pagespeed.cf.Xfir7MiZKW.css	26.4KB	23.4KB
https://molecure.com/app/plugins/woocommerce/packages/woocommerce-blocks/build/wc-blocks-style.css?ver=	19.7KB	19.7KB

Low

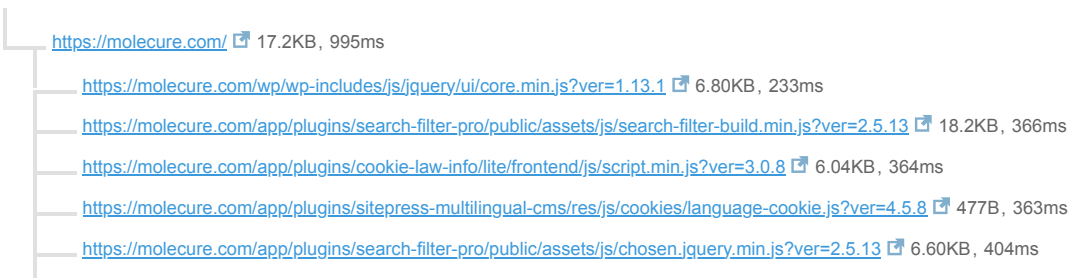
Avoid chaining critical requests FCP LCP

41 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **2.5s**

INITIAL NAVIGATION



- <https://molecure.com/app/plugins/woocommerce-simple-auctions/js/jquery.countdown.min.js?ver=1.2.36> 4.70KB, 366ms
- <https://molecure.com/app/themes/molecure/js/jquery-3.3.1.min.js?ver=1> 29.4KB, 364ms
- <https://molecure.com/app/themes/molecure/js/main.js> 2.96KB, 201ms
- <https://molecure.com/app/plugins/woocommerce/assets/js/jquery-blockui/jquery.blockUI.min.js?ver=2.7.0-wc.6.2.0> 3.54KB, 182ms
- <https://molecure.com/app/plugins/woocommerce/assets/css/woocommerce-layout.css?ver=> 2.63KB, 184ms
- <https://molecure.com/app/plugins/woocommerce/packages/woocommerce-blocks/build/wc-blocks-vendors-style.css?ver=> 1.43KB, 180ms
- <https://molecure.com/app/themes/molecure/js/bootstrap-select.min.js> 15.1KB, 200ms
- <https://molecure.com/app/plugins/woocommerce-simple-auctions/css/A.frontend.css.qver=.pagespeed.cf.rRKRgWUY0n.css> 1.69KB, 358ms
- <https://molecure.com/app/themes/molecure/js/jquery.smooth-scroll.min.js> 1.87KB, 193ms
- <https://molecure.com/app/plugins/woocommerce/assets/js/js-cookie/js.cookie.min.js?ver=2.1.4-wc.6.2.0> 1.24KB, 184ms
- <https://www.google.com/recaptcha/api.js?render=6LeXPIQgAAAAALW0vFaQuiD3W7-bDm5JzV1Y5sS4&ver=3.0> 1.16KB, 47ms
- <https://molecure.com/app/plugins/woocommerce/assets/js/frontend/woocommerce.min.js?ver=6.2.0> 1.02KB, 183ms
- <https://molecure.com/wp/wp-includes/js/jquery/ui/datepicker.min.js?ver=1.13.1> 10.6KB, 188ms
- <https://molecure.com/app/plugins/tablepress/css/default.min.css?ver=> 2.33KB, 359ms
- <https://molecure.com/wp/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0> 7.10KB, 176ms
- <https://molecure.com/app/themes/molecure/js/bootstrap.bundle.js> 38.2KB, 194ms
- <https://molecure.com/app/plugins/woocommerce/assets/css/woocommerce.css?ver=> 8.60KB, 185ms
- <https://molecure.com/app/plugins/sitepress-multilingual-cms/templates/language-switchers/legacy-list-horizontal/A.style.min.css.qver=.pagespeed.cf.VHx6ES0oGm.css> 564B, 186ms
- <https://molecure.com/app/plugins/woocommerce-simple-auctions/js/jquery.countdown.language.js?ver=1.2.36> 766B, 366ms
- <https://molecure.com/app/plugins/woocommerce/packages/woocommerce-blocks/build/wc-blocks-style.css?ver=> 19.7KB, 189ms
- <https://molecure.com/app/plugins/contact-form-7/includes/css/A.styles.css.qver=.pagespeed.cf.-dvEpspat2.css> 1.05KB, 183ms
- <https://molecure.com/app/plugins/woocommerce-simple-auctions/js/simple-auction-frontend.js?ver=1.2.36> 2.55KB, 367ms
- <https://molecure.com/app/plugins/woocommerce/assets/js/frontend/cart-fragments.min.js?ver=6.2.0> 1.27KB, 184ms
- <https://molecure.com/app/themes/molecure/js/ScrollTrigger.min.js> 8.60KB, 196ms
- <https://molecure.com/wp/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.13.9> 2.67KB, 176ms
- <https://molecure.com/wp/wp-includes/css/A.dashicons.min.css.qver=.pagespeed.cf.DVMaQMtQdn.css> 34.6KB, 355ms
- <https://molecure.com/app/themes/molecure/A.style.css.qver=.pagespeed.cf.LrZcviKmit.css> 4.74KB, 357ms
- <https://molecure.com/app/plugins/contact-form-7/includes/js/index.js?ver=5.6.1> 6.47KB, 180ms
- <https://molecure.com/app/themes/molecure/js/gsap.min.js> 23.4KB, 186ms
- <https://molecure.com/app/plugins/search-filter-pro/public/assets/css/A.search-filter.min.css.qver=.pagespeed.cf.TnLnL1mF1v.css> 7.55KB, 187ms
- <https://molecure.com/app/plugins/woocommerce/assets/js/frontend/add-to-cart.min.js?ver=6.2.0> 1.31KB, 183ms
- <https://molecure.com/app/plugins/contact-form-7/modules/recaptcha/index.js?ver=5.6.1> 803B, 201ms
- <https://molecure.com/app/themes/molecure/css/A.main.css.qver=.pagespeed.cf.Xflr7MiZKW.css> 26.4KB, 190ms
- <https://molecure.com/app/themes/molecure/fonts/Lato-Semibold.woff2> 224KB, 728ms
- <https://molecure.com/app/themes/molecure/fonts/Lato-Medium.woff2> 218KB, 742ms
- <https://fonts.googleapis.com/css2?family=Lato:wght@400;700&family=Noto+Sans&display=swap> 1.20KB, 41ms
- <https://fonts.gstatic.com/s/lato/v24/S6uyw4BMUTPHjx4wXg.woff2> 23.6KB, 28ms
- <https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh6UVSwiPGQ.woff2> 22.6KB, 30ms

Low

Serve images in next-gen formats

Potential savings of 1.52MB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://molecure.com/app/uploads/2022/06/Molecure-Vision.jpg	1.02MB	864KB
https://molecure.com/app/uploads/2022/06/Molecure-Home-1.png	543KB	330KB
https://molecure.com/app/uploads/2022/06/Pipeline.jpg	381KB	257KB
https://molecure.com/app/uploads/2022/06/VISION-shutterstock_1698617047.jpg	147KB	104KB

Low

Avoid long main-thread tasks TBT

2 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
https://www.gstatic.com/recaptcha/releases/vj7hFxe2iNgbe-u95xTozOXW/recaptcha__en.js	2.6s	81ms
https://www.gstatic.com/recaptcha/releases/vj7hFxe2iNgbe-u95xTozOXW/recaptcha__en.js	1.8s	53ms

Low

Reduce unused JavaScript LCP

Potential savings of 162KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.gstatic.com/recaptcha/releases/vj7hFxe2iNgbe-u95xTozOXW/recaptcha__en.js	196KB	96.7KB
https://www.googletagmanager.com/gtag/js?id=G-KQBCQ90TQP	78.8KB	39.6KB
https://molecure.com/app/themes/molecure/js/bootstrap.bundle.js	38.2KB	25.5KB

Low

Avoid an excessive DOM size TBT

358 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		358
Maximum DOM Depth	About Molecure S.A. 	13
Maximum Child Elements	body.home <body data-rsssl="1" class="home page-template-default page page-id-1474 theme-molecure woocommerce-js..." style="">	35

Low

Serve static assets with an efficient cache policy

Potential savings of 7.74KB

A long cache lifetime can speed up repeat visits to your page.

URL	CACHE TTL	TRANSFER SIZE
• https://www.gstatic.com/recaptcha/api2/logo_48.png	7 days	2.31KB
• https://molecure.com/wp/wp-includes/css/A-dashicons.min.css.gver=pagespeed.cf.DVmAQMtQdn.css	14 days	34.6KB
• https://molecure.com/app/themes/molecure/css/A.main.css.gver=pagespeed.cf.Xfir7MiZKW.css	14 days	26.4KB
• https://molecure.com/app/plugins/search-filter-pro/public/assets/css/A.search-filter.min.css.gver=pagespeed.cf.TnLnL1mF1v.css	14 days	7.55KB
• https://molecure.com/app/themes/molecure/A.style.css.gver=pagespeed.cf.LrZcvikMit.css	14 days	4.74KB
• https://molecure.com/app/plugins/woocommerce-simple-auctions/css/A.frontend.css.gver=pagespeed.cf.rRKRgwUY0n.css	14 days	1.69KB
• https://molecure.com/app/plugins/contact-form-7/includes/css/A.styles.css.gver=pagespeed.cf.-dvEpspat2.css	14 days	1.05KB
• https://molecure.com/app/plugins/sitepress-multilingual-cms/templates/language-switchers/legacy-list-horizontal/A.style.min.css.gver=pagespeed.cf.VHx6ES0oGm.css	14 days	564B

Low Reduce JavaScript execution time TBT 399ms spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• https://www.gstatic.com/recaptcha/releases/vj7hFxe2iNgbe-u95xTozOXW/recaptcha__en.js	332ms	287ms	19ms
• Unattributable	203ms	5ms	0ms
• https://molecure.com/app/plugins/woocommerce-simple-auctions/js/jquery.countdown.min.js?ver=1.2.36	183ms	58ms	0ms
• https://molecure.com/	127ms	24ms	2ms

Low Reduce initial server response time FCP LCP Root document took 469ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
• https://molecure.com/	469ms

Low Avoid non-composited animations CLS 4 animated elements found

Animations which are not composited can be janky and increase CLS.

ELEMENT	NAME
div#header__container-fluid > button#menu-btn > svg > path <path d="M19,24 L45,24 C61.2371586,24 57,49 41,33 L32,24">	stroke-dasharray
Unsupported CSS Property: stroke-dasharray	stroke-dasharray
div#header__container-fluid > button#menu-btn > svg > path <path d="M45,33 L19,33 C-8,33 6,-2 22,14 L45,37">	stroke-dasharray
Unsupported CSS Property: stroke-dasharray	stroke-dasharray
div#header__container-fluid > button#menu-btn > svg > path <path d="M19,15 L45,15 C70,15 58,-2 49.0177126,7 L19,37">	stroke-dasharray
Unsupported CSS Property: stroke-dasharray	stroke-dasharray
body.home > div.body-content > div#preloader <div id="preloader" class="preloader">	visibility
Unsupported CSS Property: visibility	visibility

Low Minify JavaScript FCP LCP Potential savings of 17.1KB

Minifying JavaScript files can reduce payload sizes and script parse time.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
<ul style="list-style-type: none"> https://molecure.com/app/themes/molecure/js/bootstrap.bundle.js 	38.2KB	17.1KB

N/A **Largest Contentful Paint element** LCP 2,350 ms

This is the largest contentful element painted within the viewport.

ELEMENT

```
section.hero > div.container > div.hero__bg-wrap > img.hero__bg

```

PHASE	% OF LCP	TIMING
TTFB	42%	995ms
Load Delay	18%	422ms
Load Time	35%	822ms
Render Delay	4%	104ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 14.6KB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://molecure.com/app/themes/molecure/js/bootstrap-select.min.js Line:7 Column:3847 <code>Object.keys</code>	7.40KB
https://molecure.com/app/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.5.13 Line:0 Column:577 <code>Object.keys</code>	7.12KB
https://molecure.com/app/themes/molecure/js/bootstrap.bundle.js Line:945 Column:27 <code>@babel/plugin-transform-classes</code>	35B

N/A **Avoid large layout shifts** CLS 4 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
Fate can be altered 	0.00
Molecure 	0.00
More info 	0.00
More info 	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 988ms

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Script Evaluation	460ms
Other	335ms
Style & Layout	84ms
Script Parsing & Compilation	34ms
Garbage Collection	32ms
Parse HTML & CSS	21ms
Rendering	18ms

N/A **Reduce the impact of third-party code** TBT Third-party code blocked the main thread for 11ms

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE CDN	418KB	11ms
• https://www.gstatic.com/recaptcha/releases/vj7hFxe2iNgbe-u95xTozOXW/recaptcha_en.js	391KB	11ms
• https://www.gstatic.com/recaptcha/releases/vj7hFxe2iNgbe-u95xTozOXW/styles_ltr.css	24.6KB	0ms
GOOGLE TAG MANAGER	78.8KB	0ms
• https://www.googletagmanager.com/gtag/js?id=G-KQBCQ90TQP	78.8KB	0ms
GOOGLE FONTS	78.2KB	0ms
• https://fonts.gstatic.com/s/lato/v24/S6uyw4BMUTPHjx4wXg.woff2	23.6KB	0ms
• https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh6UVSwiPGQ.woff2	22.6KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOmCngEu92Fr1Mu4mxK.woff2	15.5KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOICngEu92Fr1MmEU9fBBc4.woff2	15.3KB	0ms
OTHER GOOGLE APIS/SDKS	45.7KB	0ms
• https://www.google.com/recaptcha/api2/anchor?ar=1&k=6LeXPIQgAAAAALW0vFaQuiD3W7-bDm5JzV1Y5sS4&co=aHR0cHM6Ly9tb2x1Y3VyZS5jb206NDQz&hl=en&v=vj7hFxe2iNgbe-u95xTozOXW&size=invisible&cb=r9tqsefzgeqh	28.0KB	0ms
• https://www.google.com/recaptcha/api2/reload?k=6LeXPIQgAAAAALW0vFaQuiD3W7-bDm5JzV1Y5sS4	9.30KB	0ms
• https://www.google.com/js/bg/9WFGGRKJPCYDnPNtkHsd9A4DmYMQ5DrBGEy3ZgrvSuE0.js	7.20KB	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.